

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001714

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: F28D 9/00, F28F 3/08, F28F 9/22

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: F28D, F28F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
D,A	US 6305466 B1 (ANDERSSON ET AL), 23 October 2001 (23.10.2001) --	
A	WO 9414021 A1 (MULTISTACK INTERNATIONAL LIMITED), 23 June 1994 (23.06.1994) --	
A	US 5988269 A (KARLSSON ET AL), 23 November 1999 (23.11.1999) --	
A	DE 9405012 U1 (VOLKSWAGEN AG), 19 May 1994 (19.05.1994) --	

☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

28 February 2005

Date of mailing of the international search report

11-03-2005

Name and mailing address of the ISA/

Swedish Patent Office

Box 5055, S-102 42 STOCKHOLM

Facsimile No. +46 8 666 02 86

Authorized officer

Annette Riedel / JA A

Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001714

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 9930099 A1 (VAHTERUS OY), 17 June 1999 (17.06.1999) --	
A	WO 031896 03 (VAHTERUS OY), 17 April 2003 (17.04.2003) --	
A	WO 03006911 A1 (ALFA LAVAL CORPORATE AB), 23 January 2003 (23.01.2003) -- -----	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001714

US	6305466	B1	23/10/2001	AT	217957	T	15/06/2002
				AU	739681	B	18/10/2001
				AU	3178199	A	27/09/1999
				AU	7355298	A	24/11/1998
				CN	1130541	B,C	10/12/2003
				CN	1297524	T	30/05/2001
				DE	69901548	D,T	05/12/2002
				DK	1062472	T	22/07/2002
				EP	0981708	A	01/03/2000
				EP	1062472	A,B	27/12/2000
				ES	2175959	T	16/11/2002
				JP	2002506196	T	26/02/2002
				PT	1062472	T	30/09/2002
				SE	509579	C	08/02/1999
				SE	9800783	A	08/02/1999
				US	6308930	B	30/10/2001
				WO	9946550	A	16/09/1999
				AU	2839500	A	25/08/2000
				EP	1157172	A	28/11/2001
				JP	2002536615	T	29/10/2002
				SE	9900359	D	00/00/0000
				WO	0046457	A	10/08/2000

WO	9414021	A1	23/06/1994	AU	686582	B	12/02/1998
				AU	5619594	A	04/07/1994
				CA	2151129	A	23/06/1994
				CN	1065624	B,C	09/05/2001
				CN	1094156	A	26/10/1994
				EP	0670988	A	13/09/1995
				IL	107850	D	00/00/0000
				JP	8504027	T	30/04/1996
				MX	9307692	A	30/06/1994
				PT	101421	A	04/05/1995
				ZA	9309173	A	08/08/1994

US	5988269	A	23/11/1999	AT	204069	T	15/08/2001
				AU	707014	B	01/07/1999
				AU	7354696	A	15/05/1997
				DE	69614402	D,T	29/05/2002
				DK	857288	T	01/10/2001
				EP	0857288	A,B	12/08/1998
				ES	2160259	T	01/11/2001
				JP	11513785	T	24/11/1999
				PT	857288	T	28/12/2001
				SE	504868	C	20/05/1997
				SE	9503709	A	24/04/1997
				WO	9715798	A	01/05/1997
				SE	508690	C	26/10/1998
				SE	9601339	A	11/10/1997

DE	9405012	U1	19/05/1994	NONE
----	---------	----	------------	------

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/001714

WO	9930099	A1	17/06/1999	AU	1489599	A	28/06/1999
				EP	1038147	A	27/09/2000
				FI	109148	B	00/00/0000
				FI	974476	A	11/06/1999

WO	031896	03	17/04/2003	NONE
----	--------	----	------------	------

WO	03006911	A1	23/01/2003	AU	1293602	A	15/05/2002
				EP	1332627	A	06/08/2003
				EP	1405022	A	07/04/2004
				JP	2004522931	T	29/07/2004
				SE	519570	C	11/03/2003
				SE	0102451	A	10/01/2003
				US	20040206487	A	21/10/2004
